

Figure 1

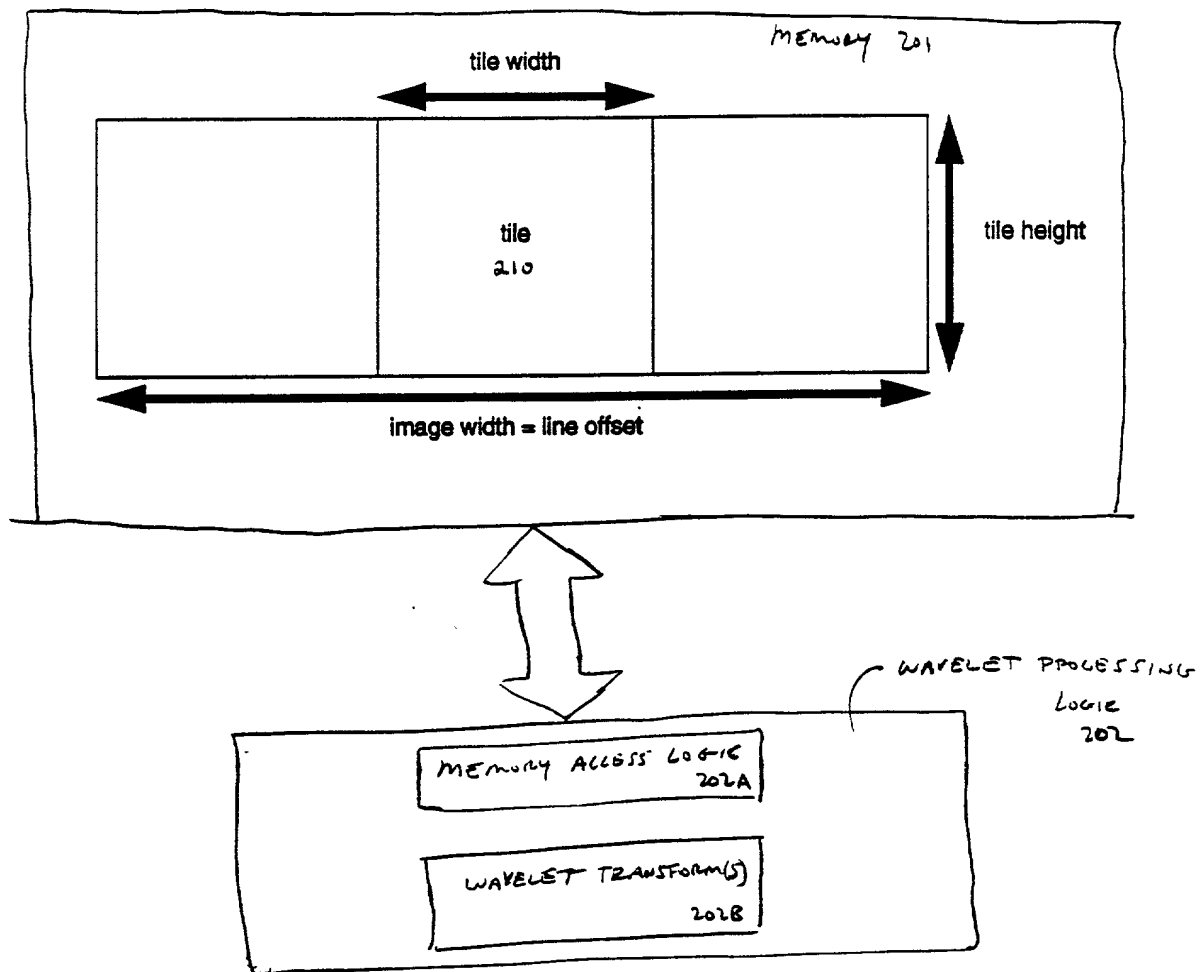
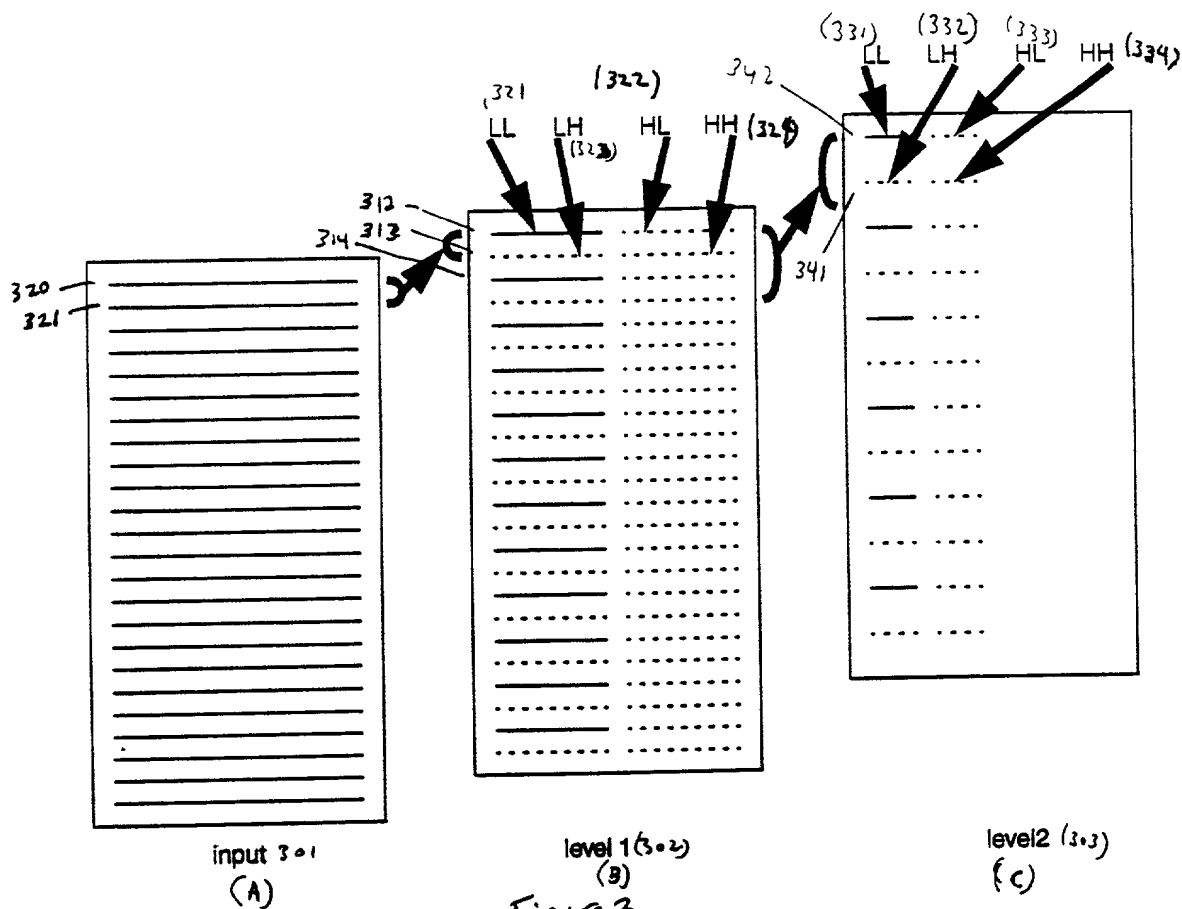


Figure 2



100230-EE900860

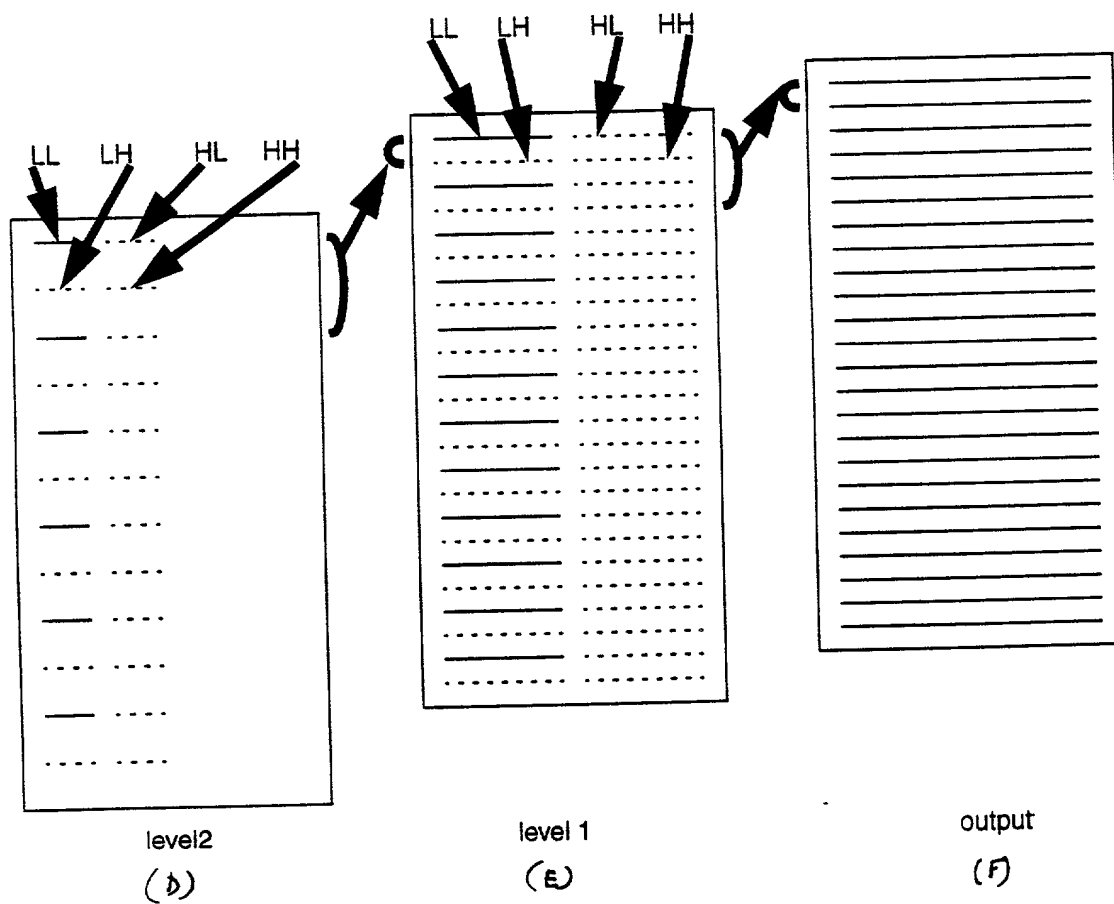


Figure 3

100280 2290860

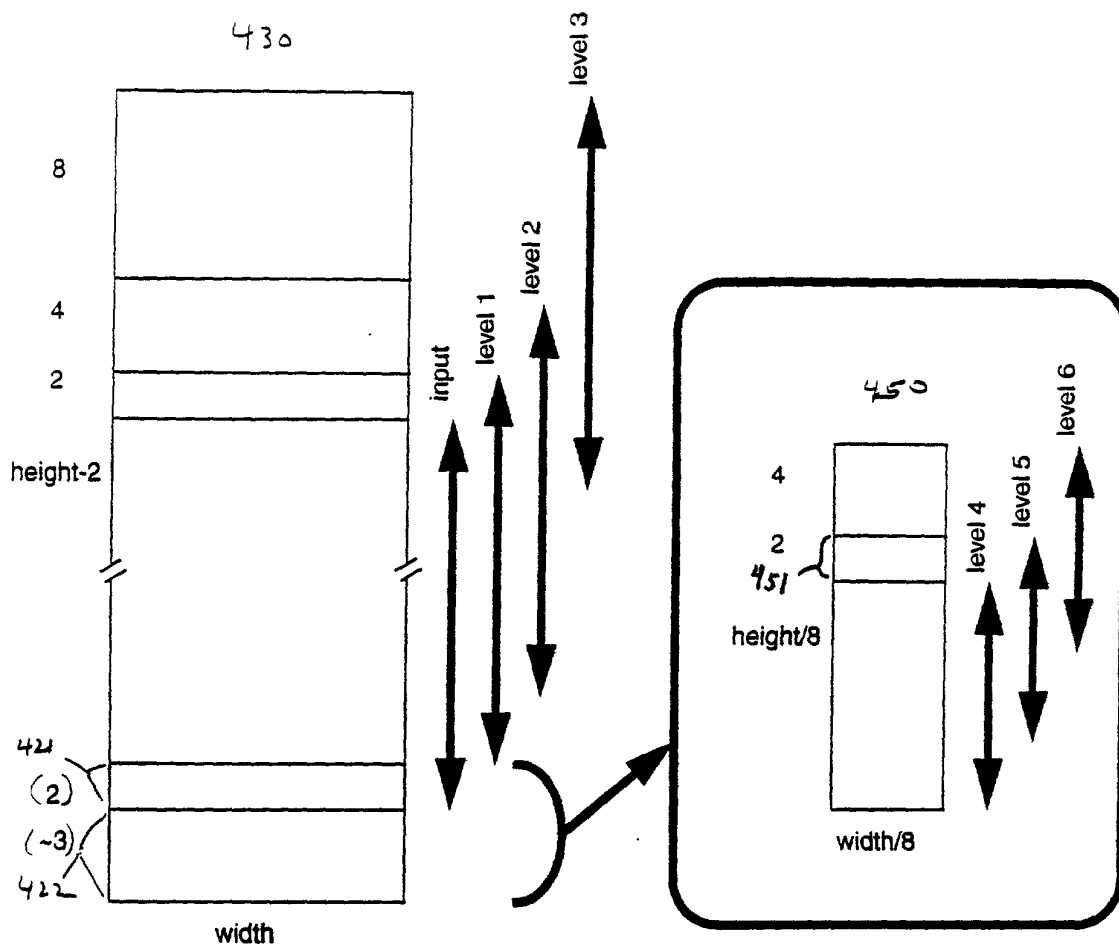


Figure 4 A

Figure 4B

FIG. 5

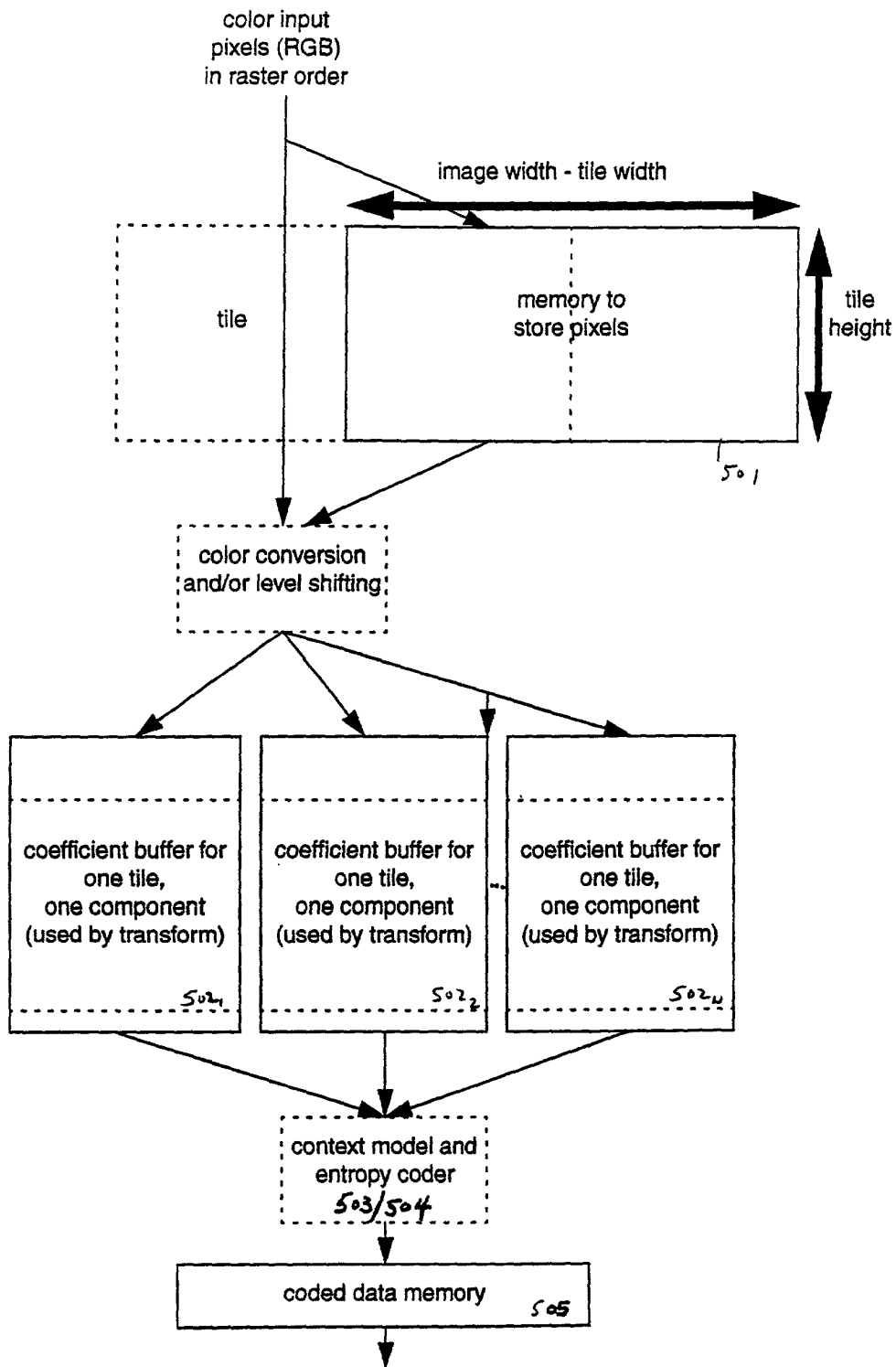


Figure 5

FIG. 6A

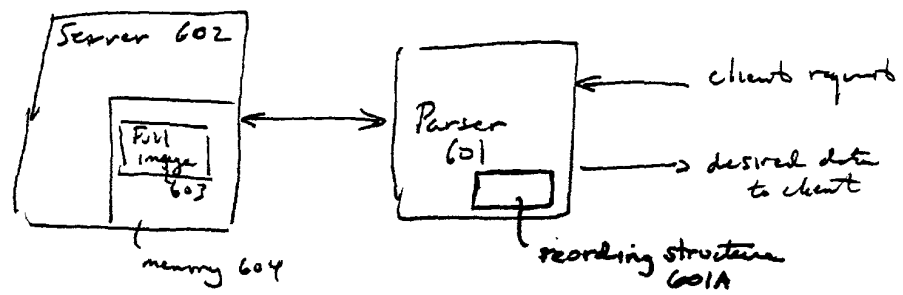


Figure 6A

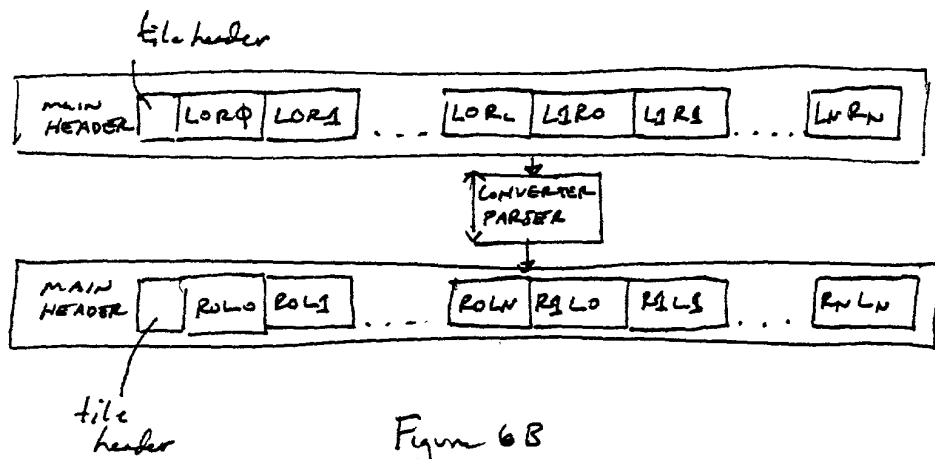


Figure 6B



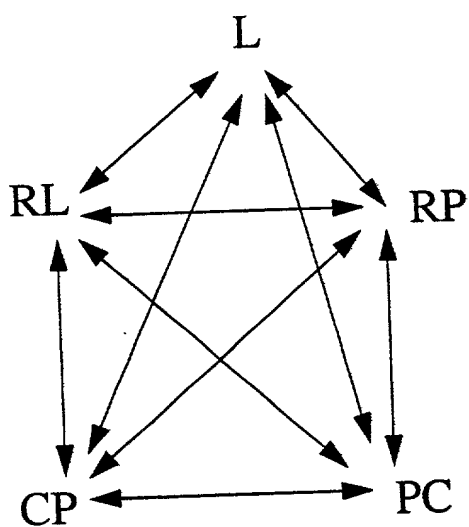


Figure 7A

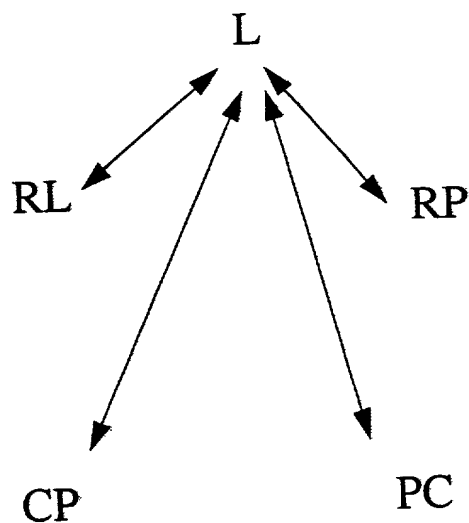


Figure 7B

09800633-082001

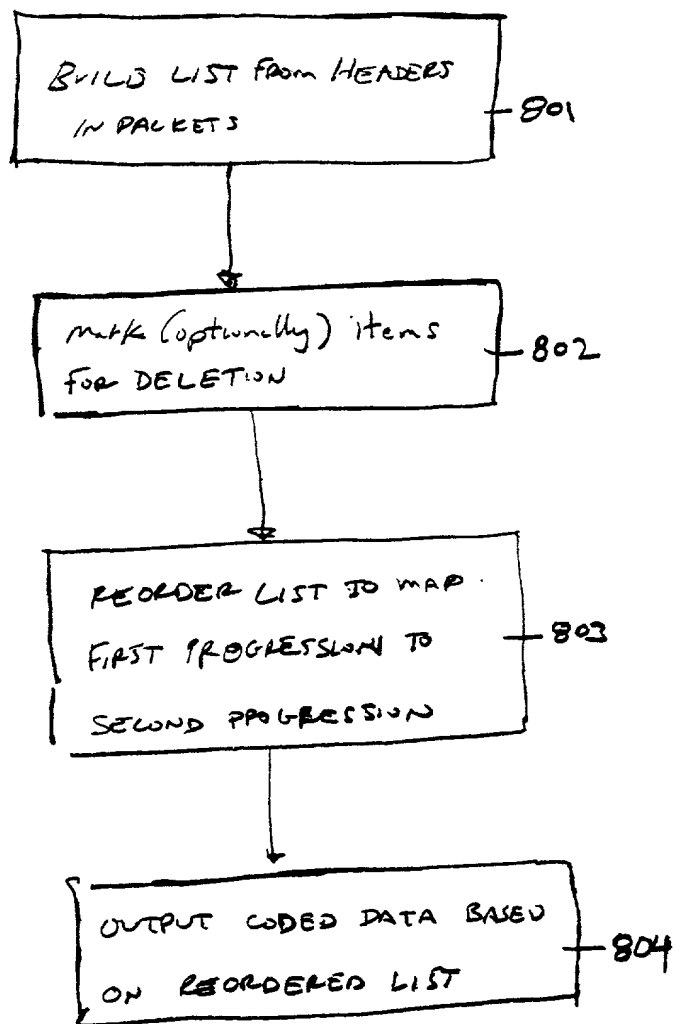


Figure 8

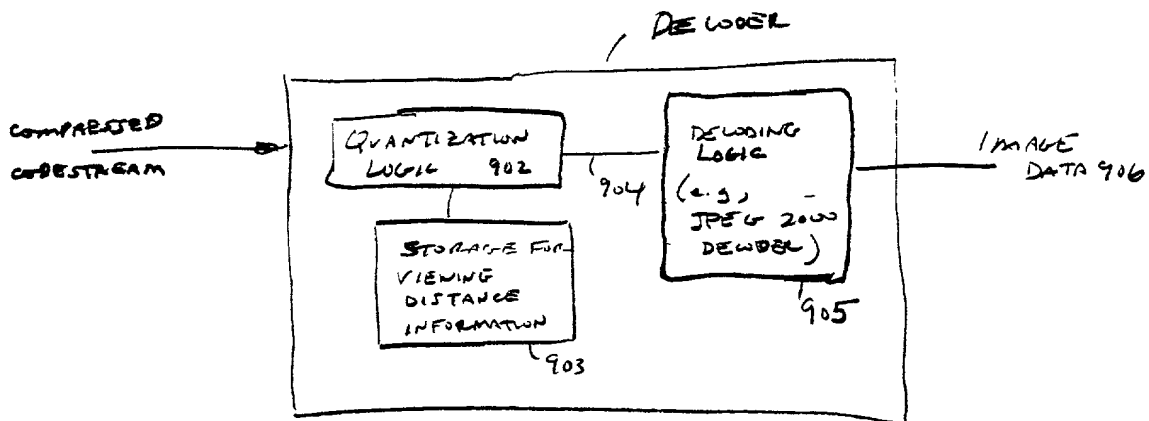


Figure 9

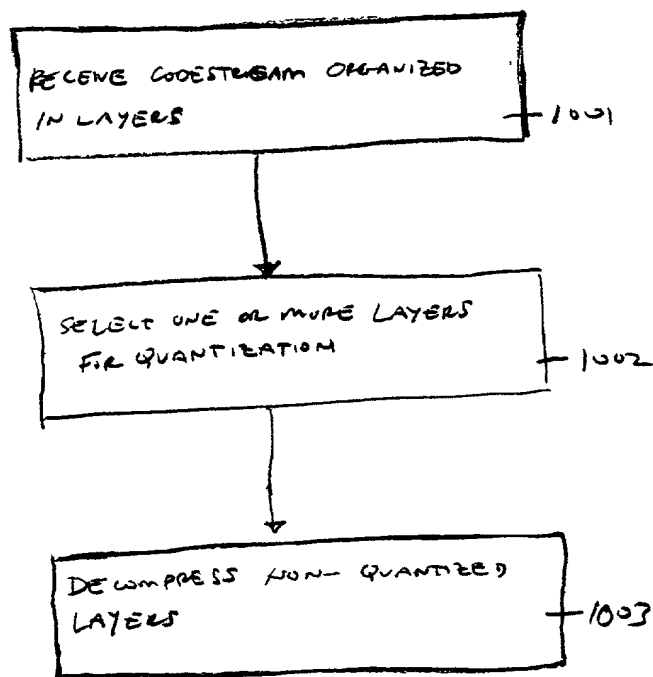


Figure 10

2025 RELEASE UNDER E.O. 14176

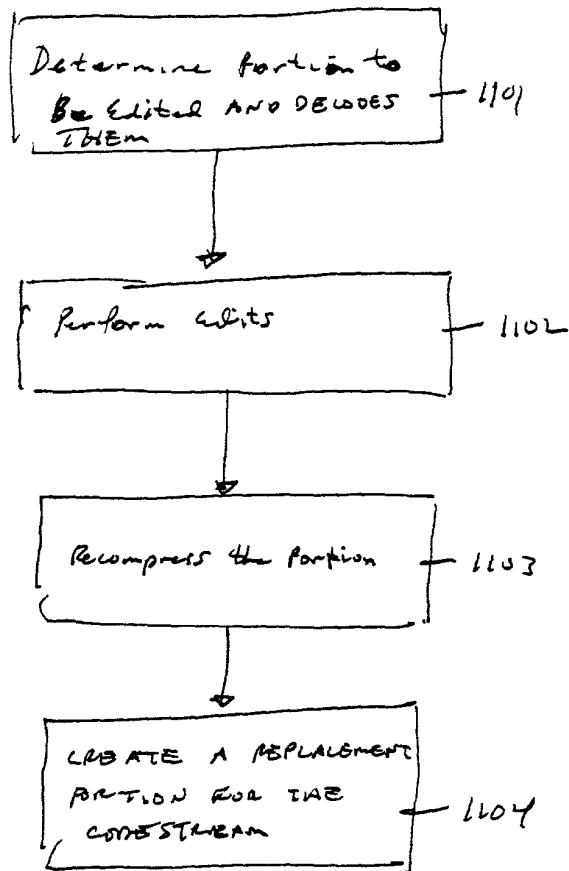


Figure 11

05000637-020001

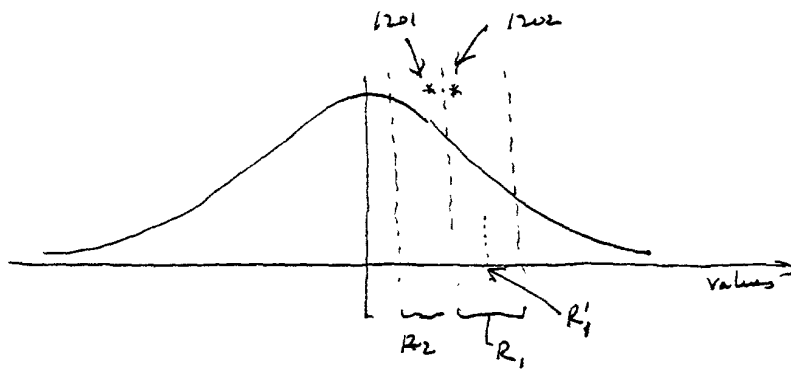


Figure 12

ENCODE A COEFFICIENT VALUE  
IN ONE FRAME OF A MOTION  
SEQUENCE

SET ANOTHER COEFFICIENT  
VALUE IN  
SAME POSITION IN  
SUBSEQUENT FRAME TO  
SAME VALUE AS THE FIRST  
COEFFICIENT

Fig 13

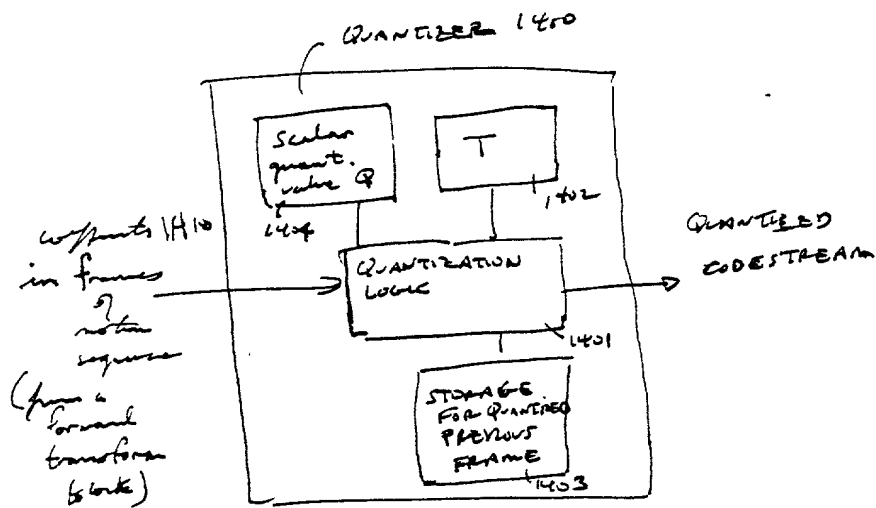


Figure 14

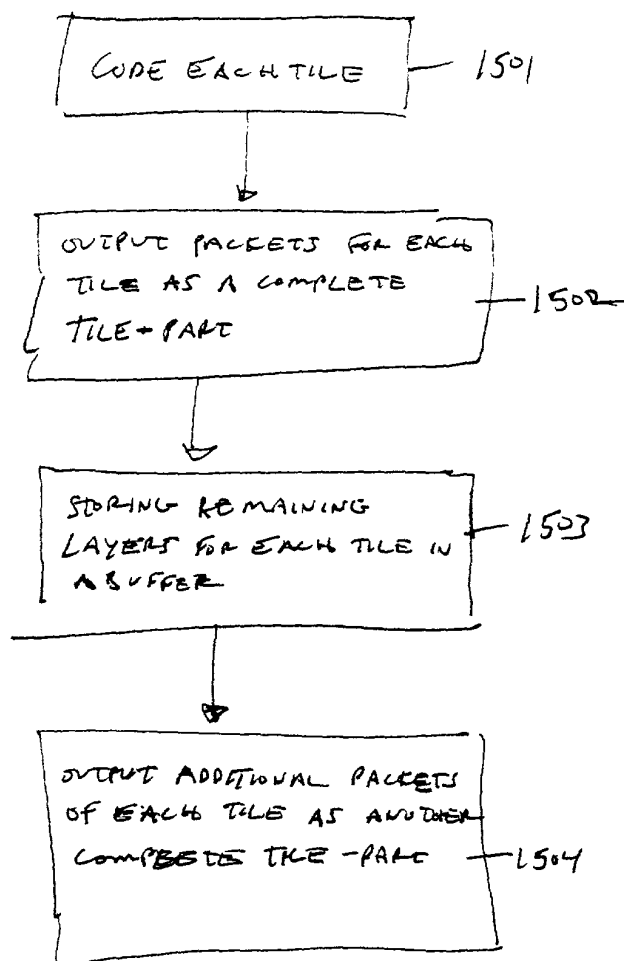
[illegible]

Figure 15 A

0980063-082004

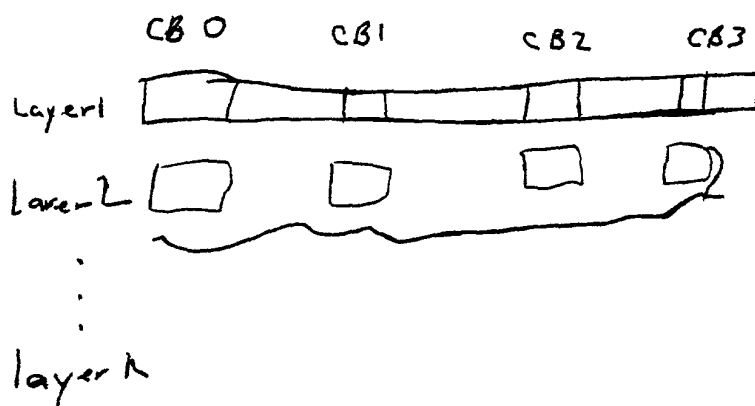


Fig 15B



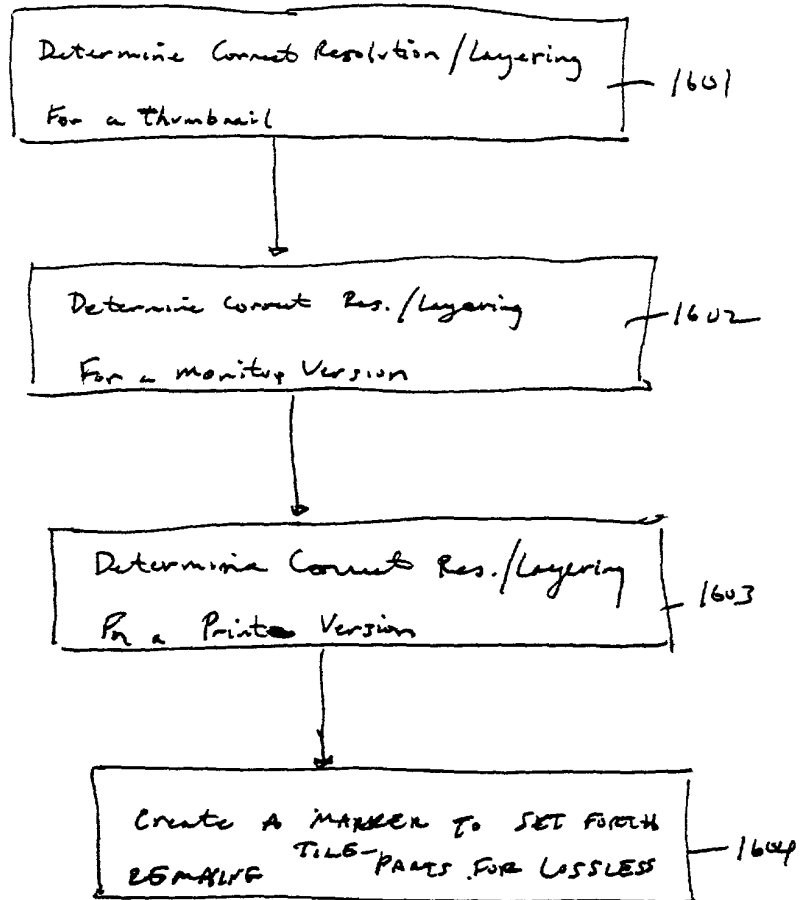


Figure 16

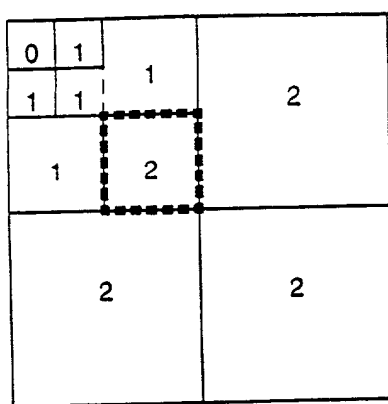
Figure 1 displays eight 4x4 matrices (A through H) illustrating the evolution of a 2D Ising spin glass. The matrices are arranged in a 3x3 grid, with the bottom-right cell empty.

- Matrix A (lossless):** Initial state. All spins are 0.
- Matrix B:** First transformation. A 2x2 block of 0s is transformed into a 2x2 block of 1s (indicated by a dashed box).
- Matrix C:** Second transformation. Two 2x2 blocks of 1s are transformed into two 2x2 blocks of 2s (indicated by dashed boxes).
- Matrix D:** Third transformation. A 2x2 block of 1s is transformed into a 2x2 block of 2s (indicated by a dashed box).
- Matrix E:** Fourth transformation. A 2x2 block of 1s is transformed into a 2x2 block of 2s (indicated by a dashed box).
- Matrix F:** Fifth transformation. A 2x2 block of 2s is transformed into a 2x2 block of 3s (indicated by a dashed box).
- Matrix G:** Sixth transformation. A 2x2 block of 2s is transformed into a 2x2 block of 3s (indicated by a dashed box).
- Matrix H:** Seventh transformation. A 2x2 block of 3s is transformed into a 2x2 block of 4s (indicated by a dashed box).

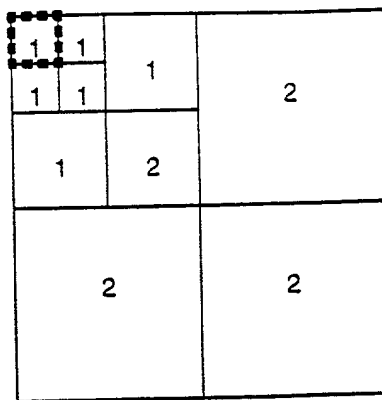
The matrices show the growth of clusters of spins 1 and 2 from the initial state of all 0s. The dashed boxes indicate the 2x2 blocks used for the next transformation step.

17

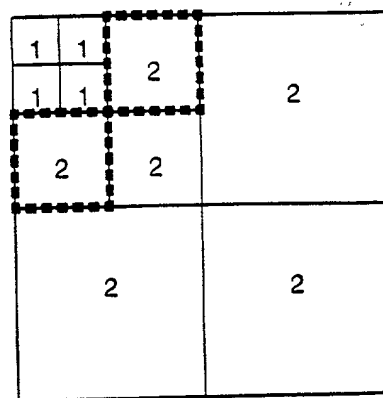
09800633-032001



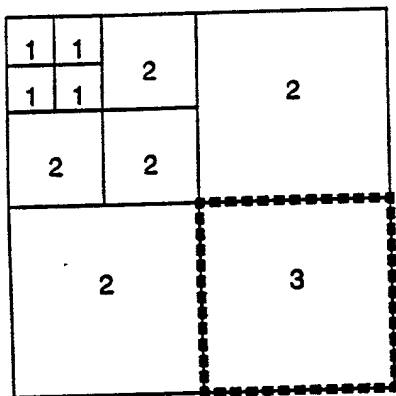
J



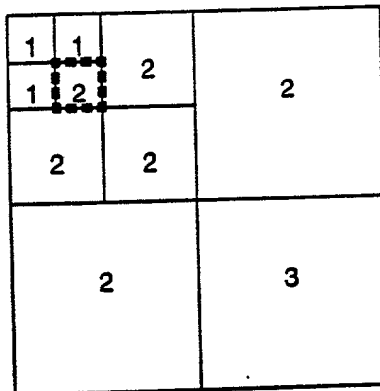
K



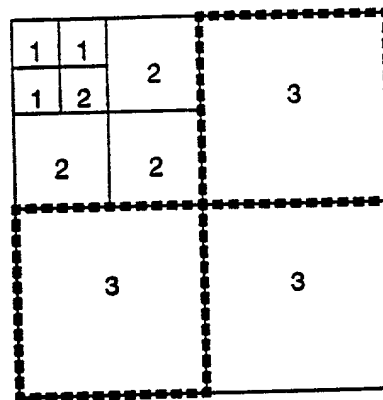
L



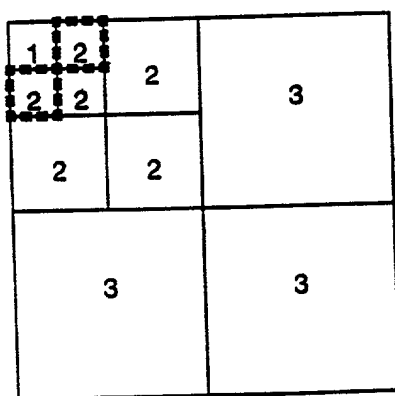
M



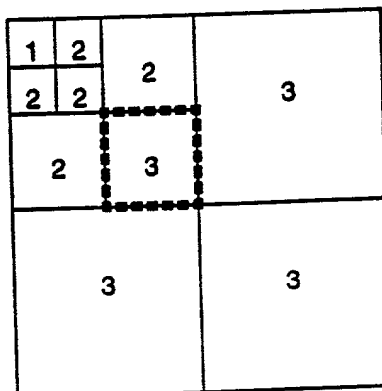
N



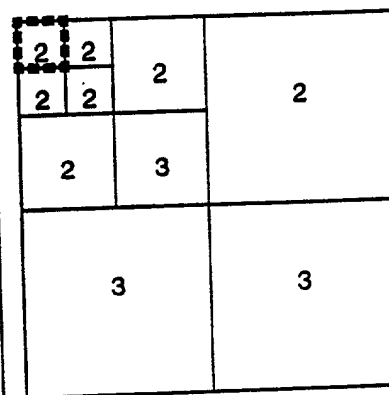
O



P



Q



R

Figure 18

100280 \* 22900350

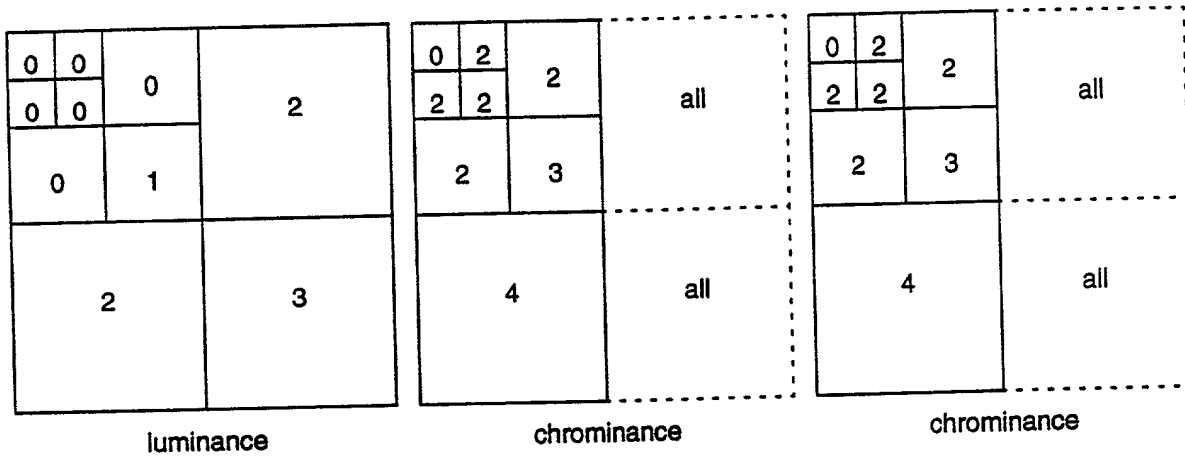


Figure 11

2000

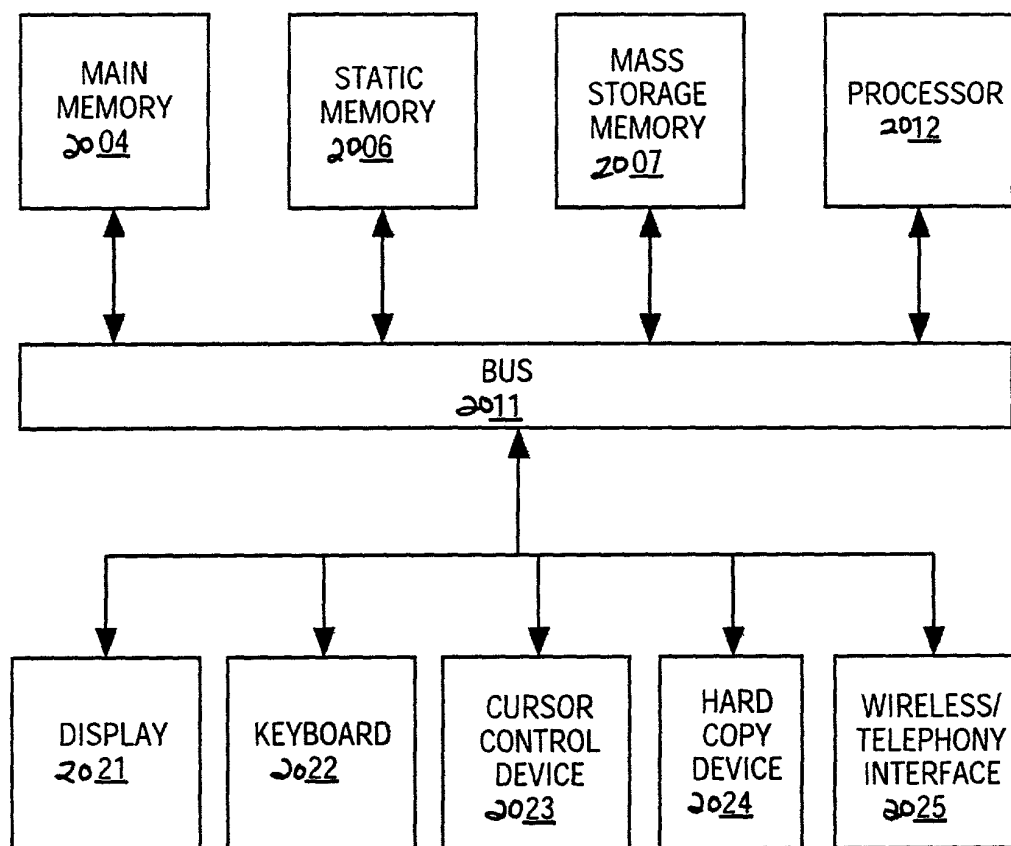


FIG. 20

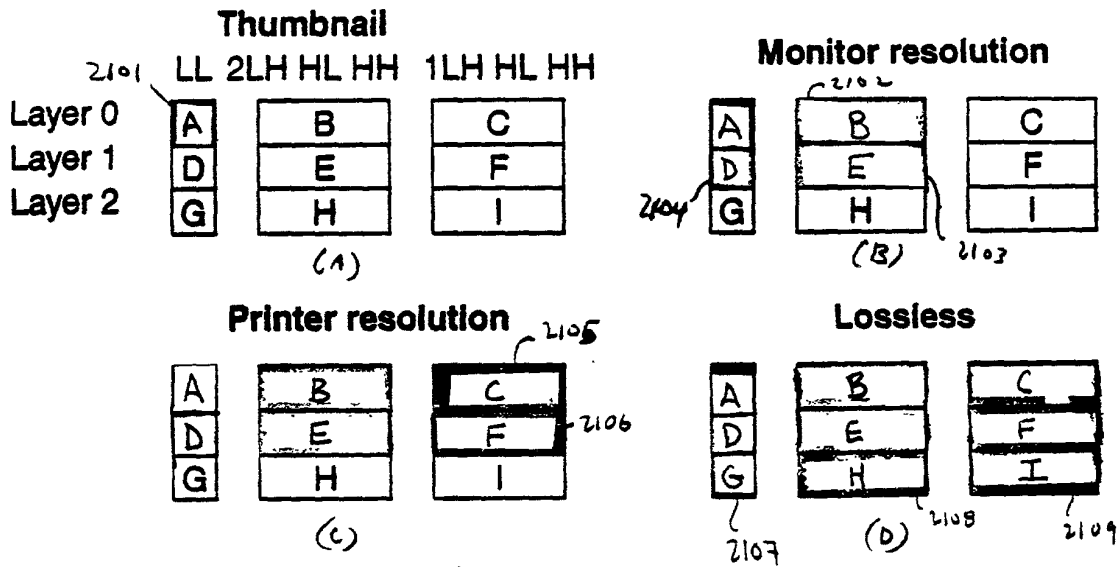


Figure 21



0920053-032604

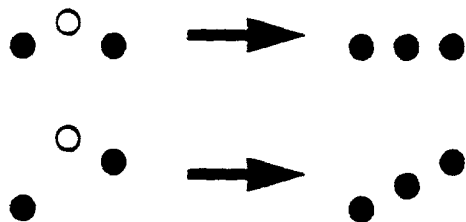
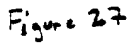
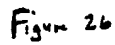
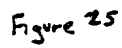


Fig 24



Variable	Mean	SD	Min	Max
Age	35.2	10.5	18	65
Gender	Male	1.2	0	2
Marital Status	Married	1.8	0	3
Education	High School	1.5	0	3
Occupation	Unemployed	1.2	0	2
Income	\$15,000	\$10,000	\$0	\$40,000
Health Status	Good	1.5	0	3
Stress Level	Low	1.2	0	3
Life Satisfaction	High	1.8	0	3
Resilience	High	1.5	0	3
Optimism	High	1.8	0	3
Gratitude	High	1.5	0	3
Forgiveness	High	1.8	0	3
Compassion	High	1.5	0	3
Kindness	High	1.8	0	3
Patience	High	1.5	0	3
Humility	High	1.8	0	3
Modesty	High	1.5	0	3
Generosity	High	1.8	0	3
Charity	High	1.5	0	3
Altruism	High	1.8	0	3
Selflessness	High	1.5	0	3
Empathy	High	1.8	0	3
Understanding	High	1.5	0	3
Acceptance	High	1.8	0	3
Openness	High	1.5	0	3
Curiosity	High	1.8	0	3
Imagination	High	1.5	0	3
Creativity	High	1.8	0	3
Innovation	High	1.5	0	3
Leadership	High	1.8	0	3
Teamwork	High	1.5	0	3
Communication	High	1.8	0	3
Collaboration	High	1.5	0	3
Cooperation	High	1.8	0	3
Compassion	High	1.5	0	3
Kindness	High	1.8	0	3
Patience	High	1.5	0	3
Humility	High	1.8	0	3
Modesty	High	1.5	0	3
Generosity	High	1.8	0	3
Charity	High	1.5	0	3
Altruism	High	1.8	0	3
Selflessness	High	1.5	0	3
Empathy	High	1.8	0	3
Understanding	High	1.5	0	3
Acceptance	High	1.8	0	3
Openness	High	1.5	0	3
Curiosity	High	1.8	0	3
Imagination	High	1.5	0	3
Creativity	High	1.8	0	3
Innovation	High	1.5	0	3
Leadership	High	1.8	0	3
Teamwork	High	1.5	0	3
Communication	High	1.8	0	3
Collaboration	High	1.5	0	3
Cooperation	High	1.8	0	3



1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217	
-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--

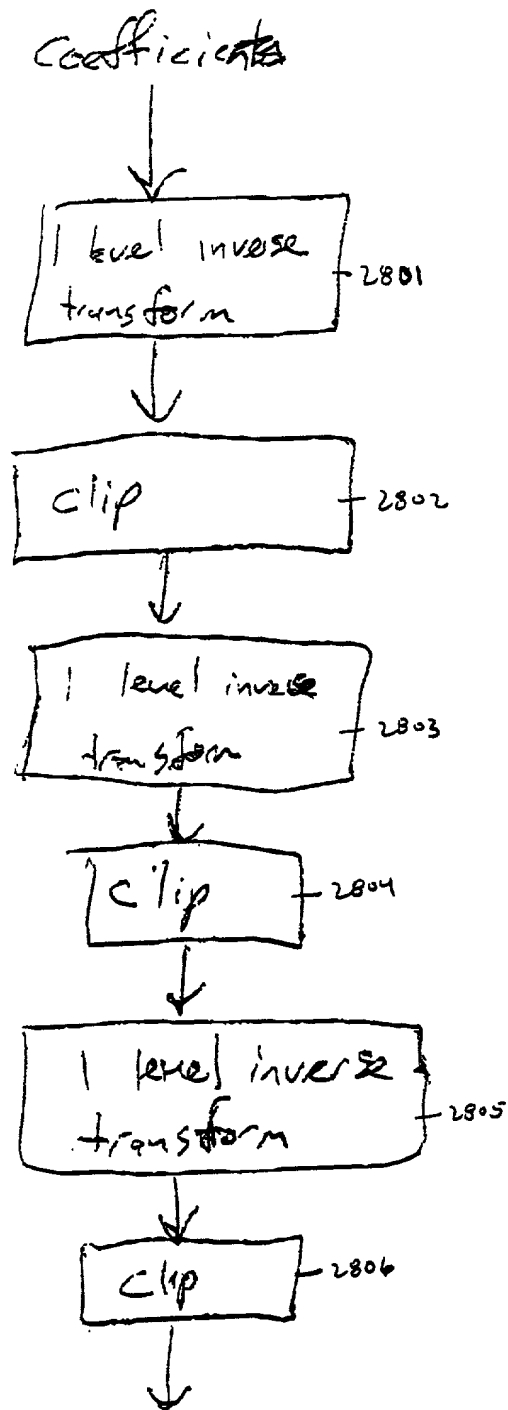


Figure 28